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ABSTRACT

The invention relates to a device for assistance in the selection
of a compression orthesis and in adapting same to the morphology
of a limb. The inventive device consists of: means (26) for
establishing a first file containing data representative of the
morphological characteristics of the limb (30), comprising the
three-dimensional co-ordinates of a mesh of points (68) with
different heights; means (10) for establishing a second file
containing data representative of the dimensional and rheological
characteristics of the orthesis, which are defined with different
heights; compression simulation means (48) which, using the data
from the first and second files, can determine the compression
pressure values that are likely to be exerted by the orthesis on
the limb at a plurality of points of said mesh; and means (50)
for displaying the pressure values thus determined in a graphical
manner, for example, by overlaying a 3D graphical representation
of the limb, or a section of same, with the false colour- or grey
level-coded calculated pressure.